

ABSTRACT OF THE DISCLOSURE

A bearing is manufactured by filling iron-and copper-based material powders (1), (2A) and (2B) in a filling portion of a mold, compacting those material powders (1, 2A and 2B) so as to form a green compact (6), and then sintering the green compact (6). The copper-based material powder contains flat powder particles (2B), the flat powder particles having a larger aspect ratio than the particles of the iron-based material powder (1). The copper-based flat powder particles (2B) are allowed to segregate on a sliding surface (51) by vibration. The sliding surface (51) of the bearing is covered with copper, and the ratio of iron increases from the sliding surface (51) toward the inside. Since the rotation shaft slides on the sliding surface (51) covered with copper, frictional coefficient between the rotation shaft and the sliding surface (51) is reduced, thus enabling a smooth rotation thereof. Simultaneously, predetermined strength and durability can be obtained by virtue of iron.